

AMENDMENTS TO THE SPECIFICATION:

Please replace the paragraph at page 30, lines 16-20 with the following paragraph:

Typical metal atoms to be photocatalyst materials include Cu_{Cu} , In, Fe, Ti, Cr, Pb, V, W, Bi, Zn, Nb, Ta, Ba, Mn, Sr and the like, which provide amorphous materials such as $\text{Cu}_2\text{O}_{\text{CuO}_2}$, In_2O_3 , Fe_2TiO_3 , Fe_2O_3 , Cr_2O_3 , PbO , V_2O_5 , FeTiO_3 , WO_3 , Bi_2O_3 and ZnO as photocatalyst materials by dielectric barrier discharge.